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16805 U.S. PTO  
123103UTILITY  
PATENT APPLICATION  
TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	1945/A47
First Inventor	Lee Grodzins
Title	See 1 in Addendum
Express Mail Label No.	EV 401276229 US

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1.  Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2.  Applicant claims small entity status.  
See 37 CFR 1.27.
3.  Specification [Total Pages 32]  
(preferred arrangement set forth below)
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4.  Drawing(s) (35 U.S.C. 113) [Total Sheets 11]
5. Oath or Declaration [Total Sheets   ]
  - a.  Newly executed (original or copy)
  - b.  Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 18 completed)
    - i.  DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s) name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6.  Application Data Sheet. See 37 CFR 1.76

ADDRESS TO:  
Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450

7.  CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)
  - a.  Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i.  CD-ROM or CD-R (2 copies); or
    - ii.  Paper
  - c.  Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

9.  Assignment Papers (cover sheet & document(s))
10.  37 CFR 3.73(b) Statement  Power of  
(when there is an assignee)  Attorney
11.  English Translation Document (if applicable)
12.  Information Disclosure Statement (IDS)/PTO-1499  Copies of IDS  
Citations
13.  Preliminary Amendment
14.  Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15.  Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16.  Nonpublication Request under 35 U.S.C. 122  
(b)(2)(B)(i). Applicant must attach form PTO/SB/35  
or its equivalent.
17.  Other: Unexecuted Declaration and Power  
of Attorney

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

Continuation  Divisional  Continuation-in-part (CIP) of prior application No.: 09/818,987

Prior application information: Examiner Keith, Jack W. Art Unit: 3641  
For CONTINUATION OF DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference.  
The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

<input checked="" type="checkbox"/> Customer Number:	02101		<input type="checkbox"/> OR	<input type="checkbox"/> Correspondence address below
Name				
Address				
City	State	Zip Code		
Country	Telephone	Fax		

Name (Print/Type)	Charlton Shen	Registration No. (Attorney/Agent)	54,442
Signature		Date	12/31/2003

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

22387 U.S. PTO  
10/750178

123103

## Addendum

### 1. Detection of Neutrons and Sources of Radioactive Material

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Lee Grodzins, Peter Rothschild

Application No.: Not assigned

Group No.: Not assigned

Filed: Herewith

Examiner: Not assigned

For: Detection of Neutrons and Sources of Radioactive Material

**Mail Stop Patent Application**  
**Commissioner for Patents**  
**P.O. Box 1450**  
**Alexandria, VA 22313-1450**

**EXPRESS MAIL CERTIFICATE**

"Express Mail" label number EV 401276229 US

Date of Deposit 12/31/2003

I hereby state that the following *attached* paper or fee

Utility patent application

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10, on the date indicated above and is addressed to Mail Stop Patent Application, the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Charlton Shen



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Signature of person mailing paper or fee



16805 U.S.PTO  
123103

Practitioner's Docket No. 1945/A18

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Lee Grodzins  
Application No.: 09/818,987  
Filed: March 27, 2001  
For: Detection of Fissile Material

Group No.: 3641  
Examiner: Keith, Jack W.

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**AMENDMENT, PETITION AND FEE FOR EXTENSION OF TIME  
TO MAINTAIN PARENT CASE THAT IS TO BE ABANDONED  
WHEN FILING NEW APPLICATION CLAIMING ITS BENEFIT**

1. The amendment in this case is a *bona fide* attempt by applicant to respond and to advance this application to final action. It comprises a separately filed continuation-in-part application.

A copy of this amendment and petition is being filed with the papers constituting the filing of the separately filed application.

2. This is a petition under 37 C.F.R. section 1.136(a) for an extension of time to respond to the Office Action mailed July 1, 2003.

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**CERTIFICATION UNDER 37 C.F.R. §§ 1.8(a) and 1.10\***  
(When using Express Mail, the Express Mail label number is *mandatory*;  
*Express Mail certification is optional.*)

I hereby certify that, on the date shown below, this correspondence is being:

**MAILING**

deposited with the United States Postal Service in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

37 C.F.R. § 1.8(a)  
 with sufficient postage as first class mail.

37 C.F.R. § 1.10\*  
 as "Express Mail Post Office to Addressee"  
Mailing Label No. \_\_\_\_\_ (mandatory)

**TRANSMISSION**

facsimile transmitted to the Patent and Trademark Office, (703) \_\_\_\_\_

Signature

Charlton Shen  
(type or print name of person certifying)

Date: December 31, 2003

\* Only the date of filing (§ 1.6) will be the date used in a patent term adjustment calculation, although the date on any certificate of mailing or transmission under § 1.8 continues to be taken into account in determining timeliness. See § 1.703(j). Consider "Express Mail Post Office to Addressee" (§ 1.10) or facsimile transmission (§ 1.6(d)) for the reply to be accorded the earliest possible filing date for patent term adjustment calculations.

3. Please abandon this application conditioned upon the granting of the petition and the granting of a filing date to the continuing application, so as to make the continuing application copending with this application. (*Notice of May 13, 1983, 1031 O.G. 11-12*).

4. Applicant is a small entity.

The statement has already been filed in the parent application. This status is still proper and its benefit under 37 C.F.R. section 1.28(a) is hereby claimed.

5. Extension requested

The proceedings herein are for a patent application and the provisions of 37 C.F.R. section 1.136 apply.

Applicant petitions for an extension of three months time under 37 C.F.R. section 1.136(a) (fees: 37 C.F.R. section 1.17(a)(1)-(4)) for three months:

Fee: \$475.00

If an additional extension of time is required, please consider this a petition therefor.

6. Fee Payment

Charge Account No. 19-4972 the sum of \$475.00.

A duplicate of this transmittal is attached.

7. Fee Deficiency

The Office is hereby authorized to charge, in the manner shown above, the following additional fees that may be required by this paper and during the entire pendency of this application.

Date: December 31, 2003



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